

LAND APPLICATION/NUTRIENT MANAGEMENT

1. How many TOTAL acres are available for land application?	<u>180</u> acres	<input type="checkbox"/> YES	<input type="checkbox"/> NO
2. How many acres are READILY available for land application at the time of inspection?	_____ acres		
3. estimated annual quantities of liquid waste <u>1.6</u> gallons			
4. Estimated annual quantities of solid waste _____ tons			
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: <u>yes Mitch Hefel</u>	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
6. What type of land application equipment is available to the facility? <input type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____			
7. Does the facility calibrate the land application equipment? If "YES", What method is used?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
10. Does the facility land apply near any residences? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO	
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> YES	<input type="checkbox"/> NO <input checked="" type="checkbox"/> NO	
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
14. Are the number of acres owned/leased consistent with those in the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
16. Are all of the records identified in the NMP being maintained and kept current?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
17. Are records being maintained at the required frequency?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

LIVESTOCK FACILITY DESCRIPTION

Facility Type				
<input checked="" type="checkbox"/> Total Confinement Buildings		<input type="checkbox"/> Open Earthen Feedlot		
<input type="checkbox"/> Open Confinement Buildings		<input type="checkbox"/> Vegetated Pasture		
<input type="checkbox"/> Open Concrete Feedlot		<input type="checkbox"/> Other _____		
Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement	
Swine	2600	2600	Total	

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☒ YES ☐ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☐ N/A ☒ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☐ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below.

None

Unknown

LIVESTOCK WASTE STORAGE

- Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
If NO, then proceed to question 10.
- General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).
None 2 Buildings have 8' pits under them.
The rest of the buildings have 2' deep pits that are full plug to the 1.9 million gallon concrete basin on site.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input checked="" type="checkbox"/> Below Ground Storage Tank	1.6 million gallons 10' deep x 180' across
<input type="checkbox"/> Settling Basin	
<input type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input checked="" type="checkbox"/> Underfloor Pits	2 Buildings have 8' deep pits
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

- Do the storage structures have depth markers or staff gauges? ☐ YES ☒ NO
- Are levels of manure in the storage structures recorded and records kept? ☐ YES ☐ NO
- Do the storage structures have adequate freeboard? ☒ YES ☐ NO
- Estimated final stage storage structure freeboard _____ in. 7.5 ft
- Do facility personnel perform routine visual inspections of the storage structures? ☐ YES ☐ NO
- Are the routine visual inspections documented? ☐ YES ☐ NO
- ☒ Does the system have an outfall or discharge point? ☐ YES ☐ NO
If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).
None
- Are there any portions of the production area where runoff is not controlled? ☐ YES ☒ NO
If "YES", provide a detailed description of the area(s) of concern:
None
at the start

MORTALITIES MANAGEMENT

- How are mortalities managed? Composted, ~~burned~~, burned, rendering service, other) wood chips
None
Composted - 7/1 and applied 5-10% Sawdust rate 8-10% less
- Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☐ Overflow waters ☐ Tip Tanks ☒ Nipple waters ☐ Water Bowls ☒ Other *deStation water trough*
2. How is the water for animals obtained?
☐ Community PWS ☒ On-Site Well ☐ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☒ YES ☐ NO *→ evaporative*
How is mist water contained?
None

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? _____
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
None
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
None
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
None
5. Describe where process wastewater from the plate cooler goes and how it is contained.
None

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
None
2. Describe how bedding is collected and how often.
None
3. What is done with the used bedding? ☐ Reused ☐ Land Applied

MANURE COLLECTION

1. How is manure collected?

☒ Under Floor Pit
☐ Scraped: ☐ Automatic ☐ Manual
☐ Flush
☐ Solids Separator
☐ Other: _____
☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

None

FEED STORAGE CONTAINMENT

1. Describe how feed (silage, hay, etc) is contained.

☐ Bulk Bins
☐ Silage Pit
☐ Ag Bags
☐ Hay: ☐ Barn ☐ Outdoor
☐ Other: _____

bins

2. Describe how feed (silage, hay, etc) runoff is contained.

☒ Not Applicable – Feed totally enclosed
☐ Other: _____
☐ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

None

2. What is the name of the receiving stream?

None

3. Status of the named surface water:
- ☐
- Intermittent
- ☐
- Perennial

Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☐ NO

If "YES", provide a description of the deposits: **None**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water **in the past year**? If "NO" proceed to question 2. ☐ YES ☒ NO
 If "YES", specify the date(s).

b. What was the reason for the discharge?

c. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

d. What was the precipitation amount? (if applicable)

e. Was IEMA notified of the discharge? ☐ YES ☐ NO

f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)? ☐ YES ☐ NO

If "YES", describe actions taken:

None

2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section. ☐ YES ☒ NO

b. Was the discharge the result of a 25 year-24 hour rainfall event? ☐ YES ☐ NO

c. What was the precipitation amount? (if applicable)

d. What is the reason for the discharge?

OTHER COMMENTS/NOTES

None

Will an inspection report be attached? ☒ YES ☐ NO

INSPECTOR'S SIGNATURE

REPORT DATE

Jon M. Ke

5/5/2011

Cc: BOW/DWPC/RU

Attachments: Report

Fig. 1-2

Photographs

**CORRECTED COPY
Inspection Report**

Subject: Henry County
(Hooppole)

Prophetstown Pork, LLC.
26310 N. 2800th Ave.
Prophetstown, IL 61277

To: DWPC/FOS & RU

From: Star M. Fowler DWPC-FOS, Peoria Region

Date: May 5, 2011

On May 5, 2011 Eric Ackerman and I visited Prophetstown Pork, LLC. swine operation to see if the 2,600 sow operation was in compliance. This facility was brought to our attention after receiving a complaint about land application of manure to a nearby field (see Figure 1.) As a result of this inspection, we observed leachate from the compost area discharging onto a hill that may contaminate a groundwater supply. Phil Clark, part owner of the facility, accompanied us on our inspection. A plan view and various drawings of the site and digital photographs of the area are attached to this report. Weather conditions for the day were sunny to cloudy and the temperature was 53°F. The following paragraphs provide further details of the field visit that compliment the CAFO Checklist.

Initial Complaint:

We received a complaint on April 15, 2011 regarding the land application of manure to a field located to the west of the Prophetstown Pork, LLC. facility (see Figure 1.) After researching the incident we determined that the land application may have had a break during the drag hose application, but there was no evidence of such on the day of the inspection. Therefore, we concluded that there is to be no further action necessary on the complaint. (For further details of the complaint please see Complaint Receipt & Report Form as well as the Telephone Conversation Record forms in file.)

Biosecurity:

Mr. Clark has a very strict biosecurity measure with his facility. Just to be able to get in his car and be driven around the facility he required us to be pig free for seven days. To be able to see inside of his facility we would have to be pig free for seven days and shower in. For the visit on the above date we were pig free for seven days, but did not shower in. This report was produced by being driven around the facility in Mr. Clark's vehicle. We were only able to get out of his vehicle on the north side of the concrete basin, since we were far enough away from his sow buildings.

Site History:

Mr. Clark stated that the facility before he purchased it was sitting for a few months and in very bad condition. It was a finishing facility which he renovated into a breed to wean operation. This operation is a shared investment between a total of 7 shareholders. Mr. Clark's title is the

General Manager of the site. He is only there once every two weeks, but there is an employee who lives on the site.

Site Description:

Below is a detailed description of the buildings located on the above site. Please see Figure 2 for visual of buildings locations.

Isolation Building:

This is the first building seen on site from the road, located directly to the east. This is where the new gilts are held for about 4 weeks. It has an 8 foot deep pit that is a total pit minus one 12'X12' section on the northwest corner for entering the building. The building has the dimensions of 40'X70' and holds anywhere from 160-170 gilts at one time.

Old Gestation Building:

This building is used for gestation and can hold 1100 head. The dimensions of this building are 300'X80'. This building has a 2' pull plug pit that drains to the concrete basin about once a month.

Old Farrowing Building:

This building is used for farrowing and can hold 240 head. The dimensions of this building are approximately 60'X140'. This building has a 2' pull plug pit that drains to the concrete basin about once a month.

New Gestation Barn:

This building was just added in December 2010, it is equipped with tunnel ventilation. It can hold 1200 head sows and a total of 1400 head with the pins including the gilts. This building has the dimensions of 240'X78' and was built with an 8' deep pit along with a perimeter tile. This is the only known building on the facility to have a perimeter tile, and the outlet is to the northwest side of the concrete basin (see Figure 2.)

New Farrowing Facility:

This building can hold 220 head of crated farrowing sows. The building is 120'X60' and has a 2' pull plug pit that drains to the concrete basin about once a month.

Concrete Basin:

This is the facility's below ground waste storage tank. The tank is 10' deep and has a diameter of 180' allowing for a capacity of 1.6 Million gallons of waste to be stored. At this time there was approximately 7.5 ft of freeboard available. The structure did not have any issues that need to be addressed at this time.

Added Pipeline:

To easy the process of emptying the concrete basin a dedicated pipeline has been added under Roadway 92 on the west side of the property (see Figure 2.) This dedicated pipeline allows for quick and safe hookups for the hose used to remove the waste for land application.

Death Compost Area:

This area was a small three walled concrete blocked area on a concrete base, located directly to the west of the entrance area into the facility (see Figure 2.) Mr. Clark stated that approximately 30 dead sow where located in the compost area at this time. There is a record of death for the facility on the sow, but not on the piglets. There was no roof on this area, and a stain on the ground could be seen where leachate had discharged in the past (see attached photographs).

Recommendations:

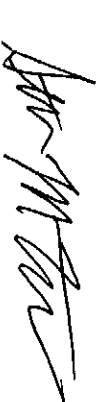
The following are recommendations that were addressed to Mr. Clark:

1. Add a roof to this area.
2. Direct rainwater away from this area.
3. Catch all leachate to stop the discharge from this area.

Nutrient Management Plan (NMP):

Mr. Clark stated that this facility does have a NMP, but it is not located on site. Using the new CAFO checklist, there are multiple questions referring to the effectiveness of the NMP. Since there was no copy of the NMP on this site, the effectiveness of the NMP was not able to be recorded at this time.

This report is submitted for your information.



Star M. Fowler

Att: -Figures 1-2

-CAFO Checklist

-Photographs

cc: -Bruce Yurdin, BOW

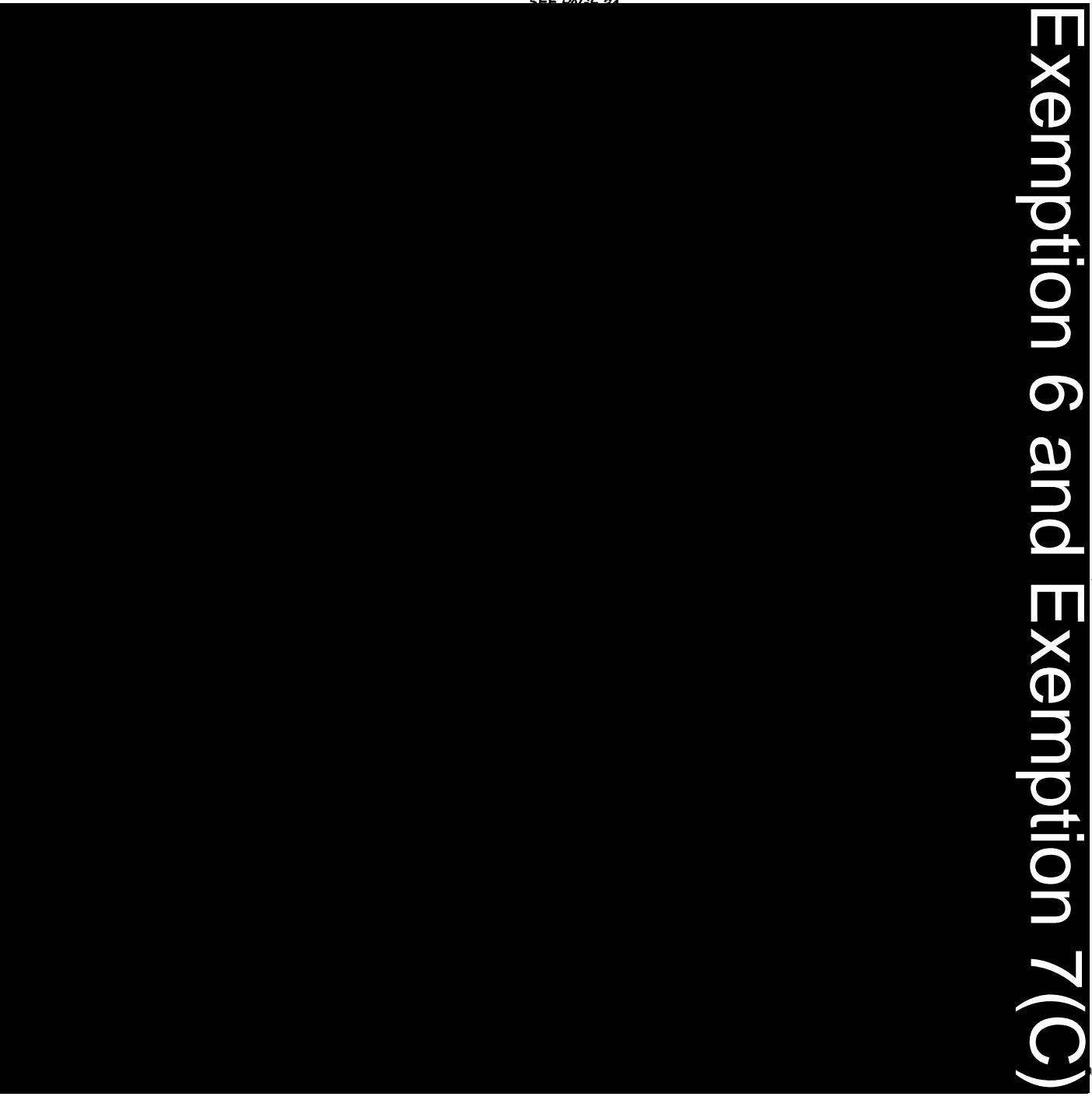
-Peoria Files

YORKTOWN

WHITESIDE COUNTY

T.18N.-R.5E.

Exemption 6 and Exemption 7(C)



SEE PAGE 24

Figure 1. Location Map of Prophetstown Pork, LLC. near Hooppole in Henry County on May 5, 2011.

DEDICATED
PIPELINE
FOR MANURE
REMOVAL

78.92

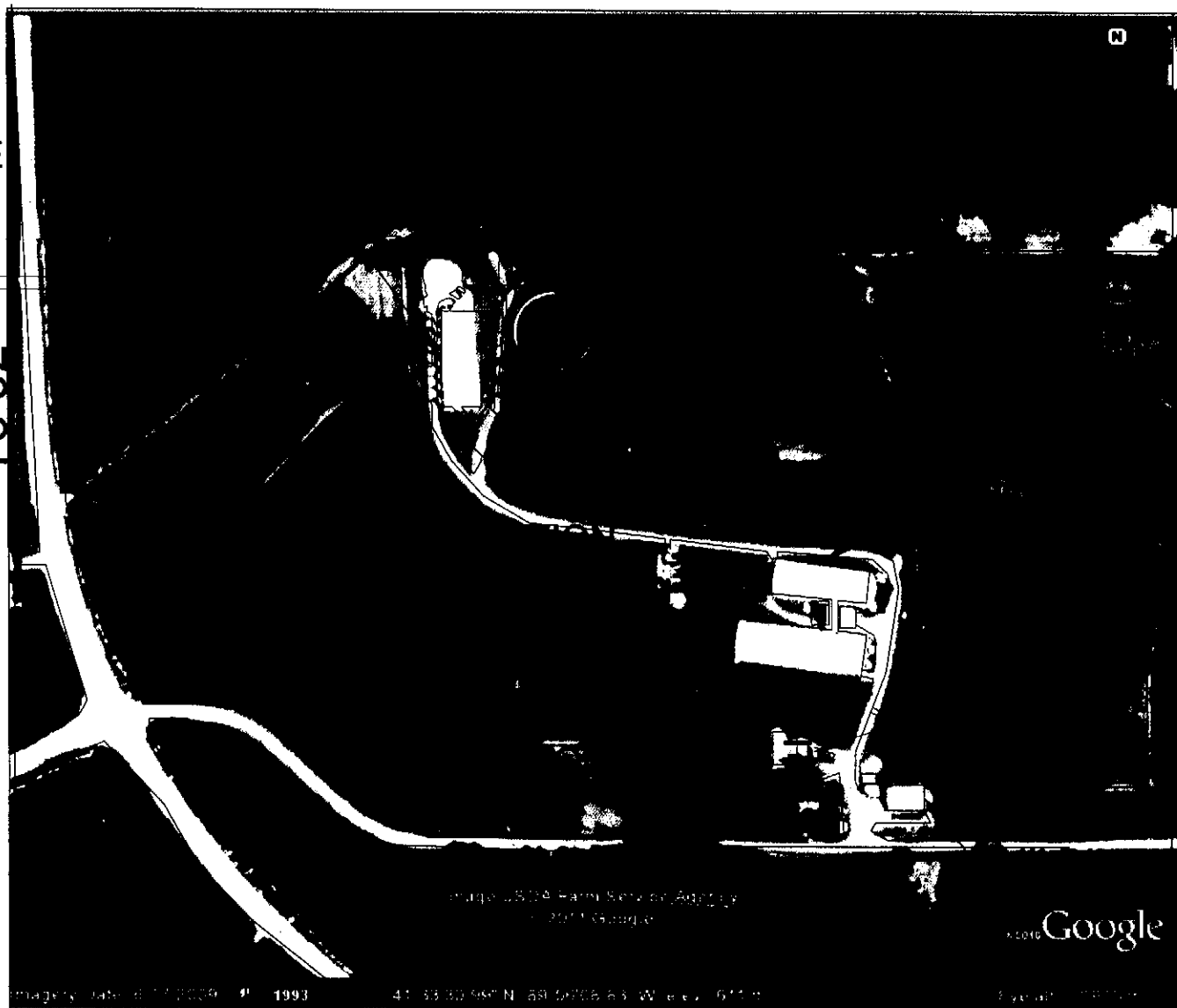
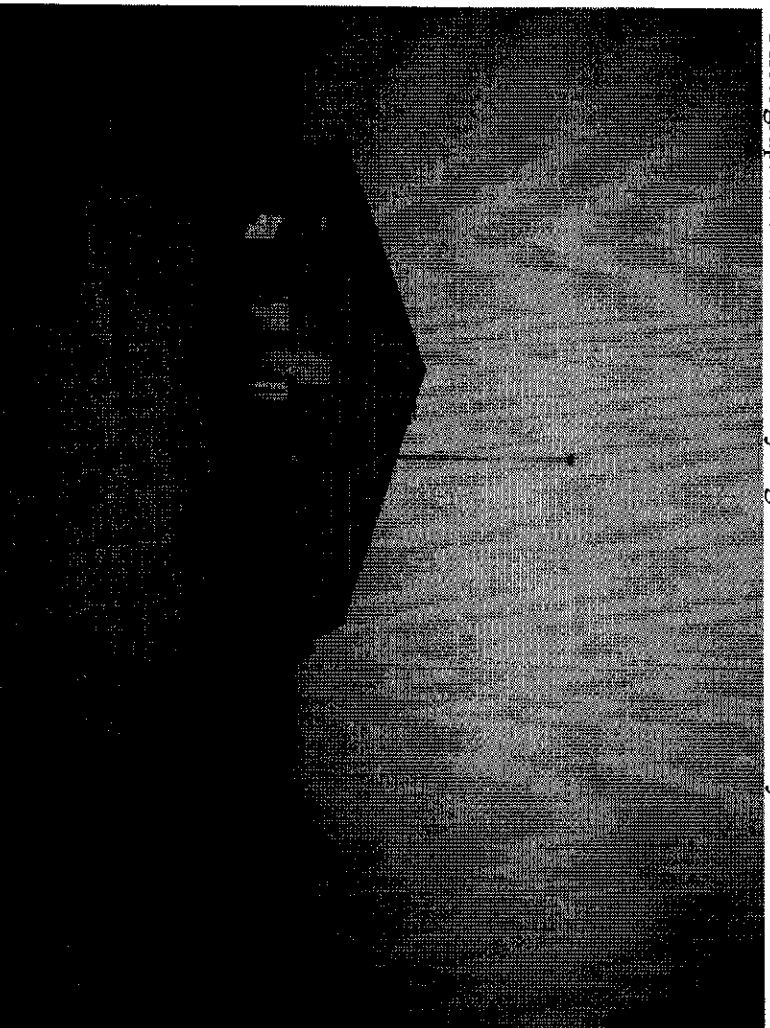


Figure 2. Plan View From Google Earth of Prophetstown Pork, LLC. on May 5, 2011.

Prophetstown Pork, LLC.
Henry County
May 5, 2011
(IEPA Star M. Fowler)

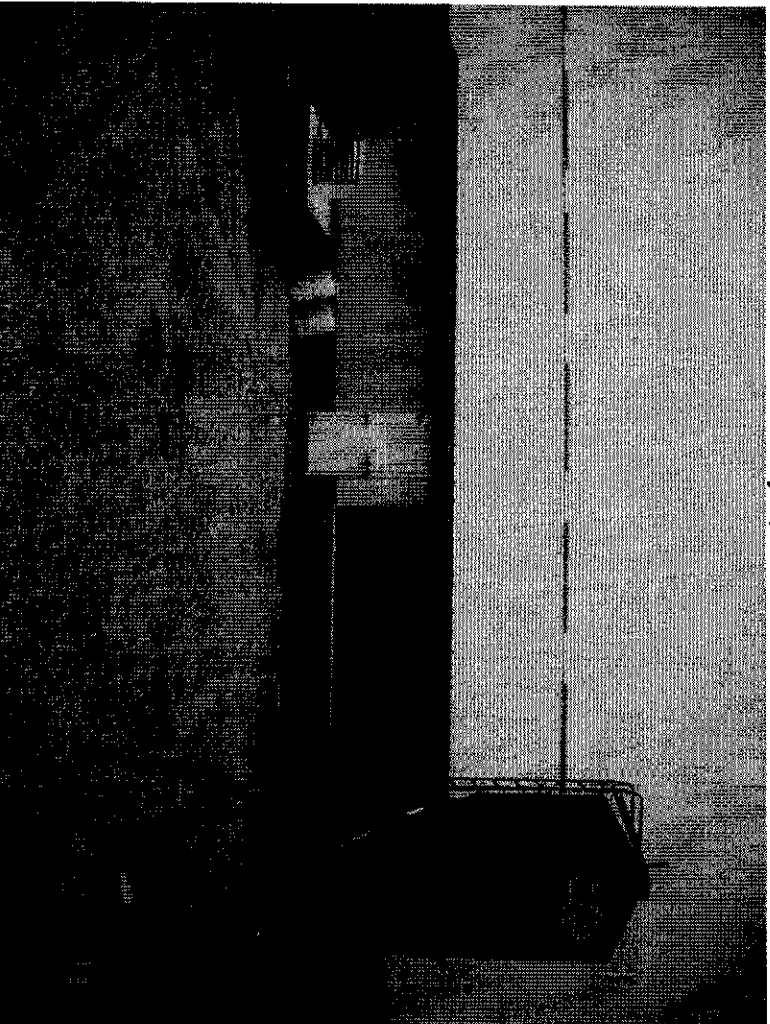


Photograph #1. The Biosecurity Sign at entrance of facility. View is north.

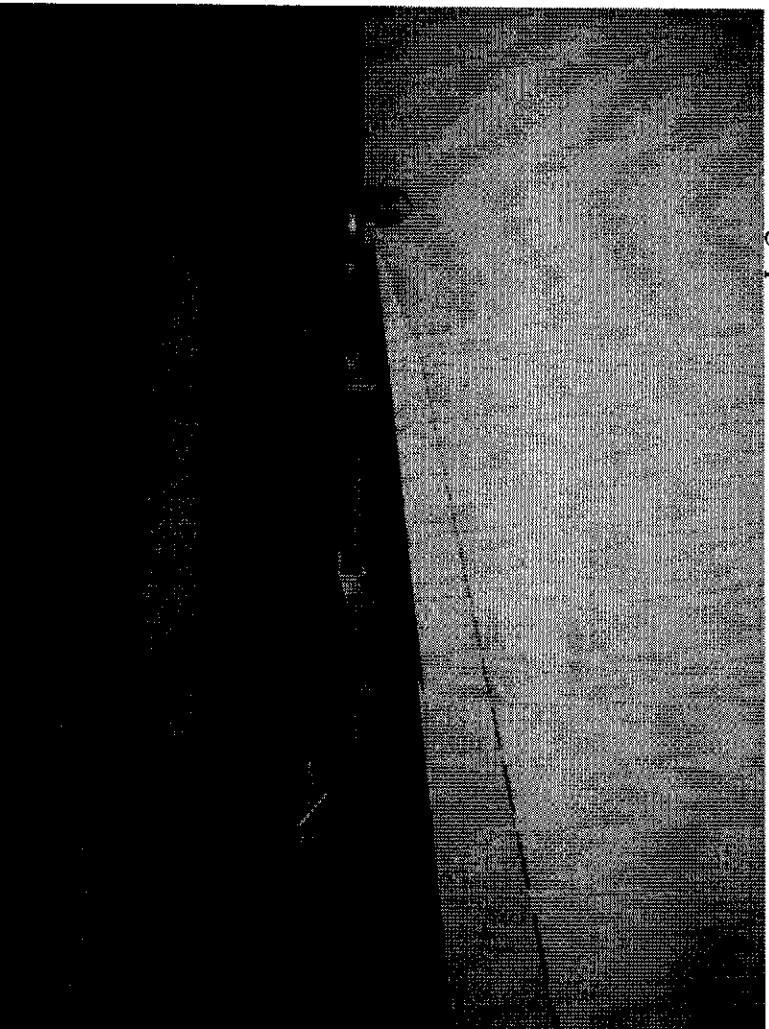


Photograph #2. Isolation Barn, view is east.

Prophetstown Pork, LLC.
Henry County
May 5, 2011

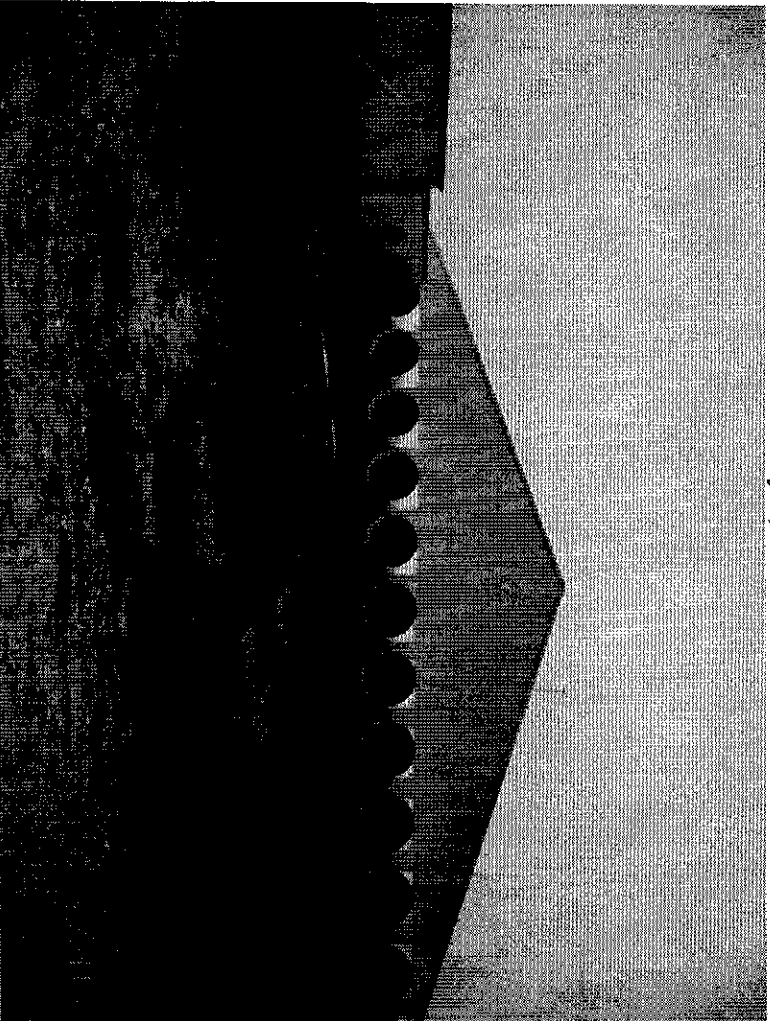


Photograph #3. New Gestation Barn. View is northeast.



Photograph #4. New Gestation Barn. View is northwest.

Prophetstown Pork, LLC.
Henry County
May 5, 2011



Photograph #5. New Gestation Building Tunnel Ventilation. View is south

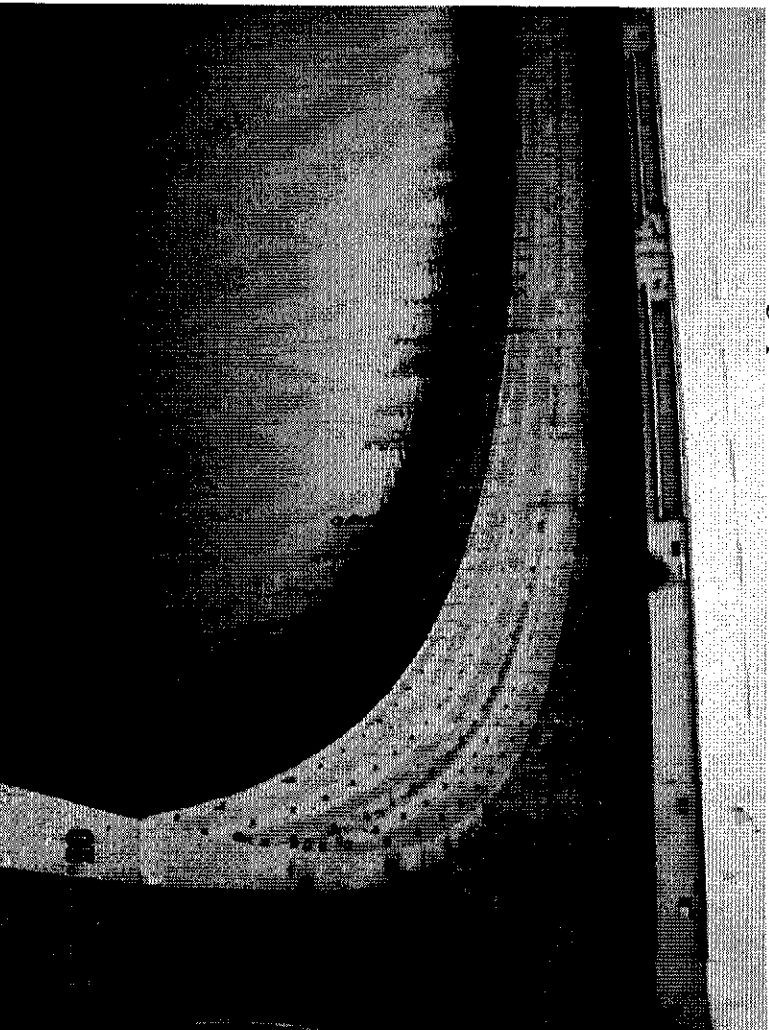


Photograph #6. Concrete Basin, view is southeast.

Prophetstown Pork, LLC.
Henry County
May 5, 2011

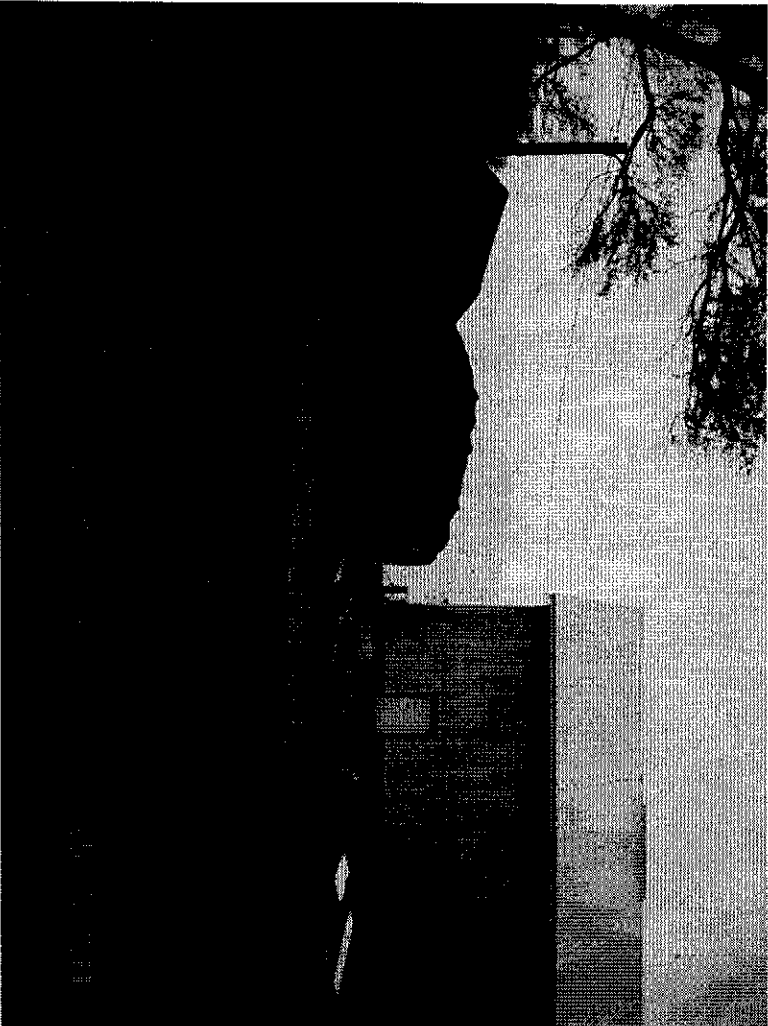


Photograph #7. Concrete Basin, view is east.



Photograph #8. Concrete Basin, view is south. Approximately 7.5' freeboard.

Prophetstown Pork, LLC.
Henry County
May 5, 2011



Photograph #9. Death Compost Area, view is west.



Photograph #10. Leachate from Death Compost Area.